Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/26/2021 09:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124801	-1	1.65	124720	1.63
Blue	F	SSC	125000	123329	-2	3.50	123645	3.44
Blue	E	FITC	14400	14067	-3	2.44	322	15.02
Blue	D	PE	24713	24450	-2	1.90	561	10.51
Blue	B	PerCP-Cy5-5	31796	31093	-3	3.27	1029	14.13
Blue	A	PE-Cy7	21240	21173	-1	5.33	565	28.31
Red	C	APC	41319	40493	-2	2.92	1697	11.28
Red	A	APC-Cy7	21019	20415	-3	3.19	766	11.33
Violet	B	V450	7305	7024	-4	3.72	439	12.52
Violet	A	V500	28652	27350	-5	3.25	690	10.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23170	1.65	561	-8	N/A	N/A	Pass
Blue	F	SSC	57658	1.71	515	3	N/A	N/A	Pass
Blue	E	FITC	59	52.95	489	-2	0.0463	93	Pass
Blue	D	PE	117	35.73	487	0	0.4338	293	Pass
Blue	B	PerCP-Cy5-5	193	34.88	583	-1	0.0216	84	Pass
Blue	A	PE-Cy7	115	65.89	630	0	0.0235	3	Pass
Red	C	APC	394	23.36	573	0	0.0283	148	Pass
Red	A	APC-Cy7	172	26.77	543	-2	0.0067	1060	Pass
Violet	B	V450	62	63.15	449	-7	0.0628	2646	Pass
Violet	A	V500	99	37.93	462	-8	0.0250	1352	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.84	-31.56	1.16
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.22	15.99 - 23.99	N/A	N/A	29.90	30.15	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9781

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments